HISTORIC AMERICAN ENGINEERING RECORD

HAER MASS, 13-BOST, 72-

Index to Photographs

72 Marlborough Street: Residential Hydraulic Elevator HAER No. MA-56 (Wheeler-Donelan House: Residential Hydraulic Elevator) Boston Suffolk County Massachusetts Photographs were taken by Jet Lowe, HAER photographer, January 7, 1985 NOTE: MA - 56 - 1VIEW INTO SHAFT ON FIRST FLOOR, SHOWING OPERATING ROPE TO RIGHT OF DOOR JAMB, OPENING AT LEFT TO FRONT PARLOR, LOOKING SOUTHEAST VIEW OF ELEVATOR AT SECOND FLOOR BEDROOM, SHOWING ELEVATOR CAR IN MA - 56 - 2THE "STUCK" POSITION. WHERE IT REMAINED FROM 1942 UNTIL REMOVAL IN 1985. LOOKING NORTHEAST MA - 56 - 3VIEW OF ELEVATOR SHAFT DOOR (CLOSED) ON LEFT IN THIRD FLOOR HALLWAY (CLOSET DOOR ON RIGHT), LOOKING NORTHEAST VIEW LOOKING UP INSIDE ELEVATOR CAR; ORIGINAL GAS LIGHT REPLACED BY MA - 56 - 4ELECTRIC LIGHT SHOWN VIEW LOOKING DOWN ON TOP OF ELEVATOR CAR FROM THIRD FLOOR, SHOWING MA - 56 - 5CROSSHEAD AND BROKEN ROPE SAFETY STOP MECHANISM INSIDE; GUIDES AT LOWER LEFT AND UPPER RIGHT; OPERATING ROPE AT LEFT MA-56-6 VIEWS OF BOTTOM OF ELEVATOR CAR VIEW OF SHAFT ON FIRST FLOOR, SHOWING COUNTERWEIGHT AND ITS GUIDE MA - 56 - 7AT LEFT, OPERATING CABLE AT RIGHT, CARLIGHT ELECTRIC CABLE IS LOOPED IN FRONT OF WINDOW VIEW LOOKING UP INTO TOP OF ELEVATOR SHAFT FROM THIRD FLOOR, MA - 56 - 8SHOWING OPERATING CABLES AT LEFT. MAIN CABLE IN CENTER. AND CAR GUIDE AT RIGHT VIEW OF COUNTERWEIGHT (LEFT) AND HOIST SHEAVE (RIGHT) CABINET ON MA - 56 - 9FOURTH FLOOR VIEW OF ELEVATOR MACHINE ROOM IN BASEMENT BELOW SHAFT, SHOWING LOW MA - 56 - 10CABINET THAT HOUSES HYDRAULIC CYLINDER AND CLOSET THAT HOUSES TRAVELING SHEAVES AT RIGHT; OPERATING CABLE SHEAVE AT TOP OF

PICTURE, LOOKING SOUTHEAST

72 Marlborough Street: Residential
Hydraulic Elevator (Wheeler-Donelan
House: Hydraulic Elevator)
HAER No. MA-56
Index to Photographs
(Page 2)

- MA-56-11 VIEW OF ELEVATOR MACHINE ROOM IN BASEMENT BELOW SHAFT SHOWING LOW CABINET THAT HOUSES HYDRAULIC CYLINDER AND CLOSET THAT HOUSES TRAVELING SHEAVES AT RIGHT, WITH CABINET AND CLOSET DOORS OPEN, LOOKING SOUTHEAST
- MA-56-12 VIEW OF ELEVATOR MACHINE ROOM, SHOWING LOW CABINET THAT HOUSES HYDRAULIC CYLINDER AND CLOSET AT LEFT THAT HOUSES OPERATING VALVE, LOOKING NORTHEAST
- MA-56-13 VIEW OF ELEVATOR MACHINE ROOM WITH CABINET AND CLOSE DOORS OPEN, SHOWING AIR CHAMBER ON OPERATING SUPPLY LINE AT LEFT, FIXED SHEAVES, LOOKING NORTHEAST
- MA-56-14 VIEW OF OPERATING VALVE TO HYDRAULIC CYLINDER, SHOWING CAR
 OPERATING ROPE SHEAVE, FIXED SHEAVES OF CYLINDER JUST VISIBLE
 BEHIND AIR CHAMBER PIPE; RISING THROUGH FLOOR ARE WATER DISCHARGE
 PIPE TO SEWER (LEFT) AND WATER SUPPLY FROM STREET MAIN (RIGHT);
 WATER CONSUMPTION METER MOUNTED TO WALL ABOVE OPERATING SHEAVE
- MA-56-15 VIEW OF END OF HYDRAULIC CYLINDER AND TRAVELING SHEAVES; OBJECT AT RIGHT IS FURNACE GRATE
- MA-56-16 VIEW OF ROBERT VOGEL, CURATOR, DIVISION OF MECHANICAL & CIVIL ENGINEER, NATIONAL MUSEUM OF AMERICAN HISTORY, SMITHSONIAN INSTITUTION, SITTING IN ELEVATOR CAR. MR. VOGEL IS RESPONSIBLE FOR THE RELOCATION OF THE ELEVATOR TO THE SMITHSONIAN INSTITUTION